

Title (en)

Parking assist system and method for control thereof

Title (de)

Einparkhilfsvorrichtung und -steuerverfahren

Title (fr)

Dispositif d'assistance de parking et procédé pour sa commande

Publication

EP 1327553 B1 20070808 (EN)

Application

EP 03000350 A 20030109

Priority

JP 2002005078 A 20020111

Abstract (en)

[origin: EP1327553A2] A running control portion (10) of a parking assist ECU (1) determines an inclination of a road surface based on information such as outputs of a wheel speed sensor (32) and an acceleration sensor (33), and a brake hydraulic pressure which an actuator (34) applies to a wheel cylinder (38). The running control portion (10) execute a vehicle speed control by controlling a braking force applied by the wheel cylinder (38) while increasing a torque of an engine (22). The operation of the vehicle speed control is prohibited when conditions for operating the vehicle speed control are not fulfilled.

IPC 8 full level

B60K 31/00 (2006.01); **B60R 21/00** (2006.01); **B60K 31/10** (2006.01); **B60T 7/12** (2006.01); **B60W 10/00** (2006.01); **B60W 10/04** (2006.01); **B60W 10/06** (2006.01); **B60W 10/18** (2012.01); **B60W 10/184** (2012.01); **B60W 10/20** (2006.01); **B60W 30/00** (2006.01); **B60W 30/06** (2006.01); **B60W 30/10** (2006.01); **B60W 40/105** (2012.01); **B60W 40/114** (2012.01); **B62D 15/02** (2006.01); **F02D 29/02** (2006.01)

CPC (source: EP)

B60K 31/10 (2013.01); **B60T 7/12** (2013.01); **B60T 7/122** (2013.01); **B60W 10/04** (2013.01); **B60W 10/18** (2013.01); **B60W 30/146** (2013.01); **B60W 30/18063** (2013.01); **B60W 30/1819** (2013.01); **B62D 15/0285** (2013.01); **B60T 2201/04** (2013.01); **B60T 2201/10** (2013.01); **B60W 30/06** (2013.01); **B60W 2540/12** (2013.01); **B60W 2552/15** (2020.02)

Cited by

US9327705B2; US2011112716A1; CN103318168A; CN110723136A; CN101870288A; US2010318255A1; EP1806266A1; EP2021215A4; CN111655559A; US2016159397A1; CN105857305A; US9731764B2; CN106926845A; CN109789778A; EP3524486A4; FR2958905A1; CN107284444A; CN114132314A; CN102652091A; US2012310459A1; CN105015544A; US8086384B2; US9114834B2; US9002564B2; WO2018019716A1; WO2022053113A1; WO2011069589A1; EP3057833B1; DE102014221835A1; US10300927B2; US10576995B2; US10988145B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 1327553 A2 20030716; **EP 1327553 A3 20060802**; **EP 1327553 B1 20070808**; DE 60315362 D1 20070920; DE 60315362 T2 20080508; JP 2003206780 A 20030725; JP 3755464 B2 20060315

DOCDB simple family (application)

EP 03000350 A 20030109; DE 60315362 T 20030109; JP 2002005078 A 20020111